

Title (en)
Drive circuit for fluid motor

Title (de)
Druckflüssigkeitsmotor mit einem Leistungsregler

Title (fr)
Moteur à fluide à pression ayant un régulateur de puissance

Publication
EP 1241356 A3 20050316 (EN)

Application
EP 02005859 A 20020314

Priority
• JP 2001073446 A 20010315
• JP 2002005319 A 20020111

Abstract (en)
[origin: EP1241356A2] When the load acting on a fluid motor (25) increases, a changeover valve (61) starts to be changed over toward a low-speed position L, but at this time an additional pilot fluid whose pressure is determined by the amount of fluid flowing into or out of a second passage (68) through first and second notches functions as a pressure regulator for a spool (65), and lowers the pressure within the second passage (68) without lowering the pressure within a high pressure-side main circuit (28), thereby tilting a swash plate (26) from a position of high-speed rotation to a position of low-speed rotation. <IMAGE>

IPC 1-7
F04B 49/00; **F04B 1/32**

IPC 8 full level
F15B 11/02 (2006.01); **F04B 1/32** (2006.01); **F04B 49/00** (2006.01)

CPC (source: EP US)
F04B 1/324 (2013.01 - EP US); **F04B 49/002** (2013.01 - EP US)

Citation (search report)
• [A] EP 0781923 A1 19970702 - KOMATSU MFG CO LTD [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12 29 October 1999 (1999-10-29)
• [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 14 22 December 1999 (1999-12-22)

Cited by
EP3358181A1; IT201700012623A1; WO2009037069A1

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